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Inventor Information for 10/755983

Inventor Name	City	State/Country
TAKAHASHI, NOBUAKI	KANAGAWA	JAPAN
AKIMOTO, YUJI	TOKYO	JAPAN
ODA, MIKIO	TOKYO	JAPAN
KOUTA, HIKARU	TOKYO	JAPAN

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US 4360824 A	19821123	Systems for recording both information and pilot signals directly on recording medium	386/27	269/47; 269/59; 360/32; 386/39	Takahashi; Nobuaki et al.
US 4229619 A	19801021	Method and apparatus for driving a multi way speaker system	381/99	330/109	Takahashi; Nobuaki et al.
US 4211978 A	19800708	Cross-talk component cancellation circuit in an angle- modulated wave signal transmission system	455/295	327/100; 381/10; 381/3; 455/276.1; 455/304	Takahashi; Nobuaki
US 4188504 A	19800212	Signal processing circuit for binaural signals	381/17	381/74	Kasuga; Masao et al.
US 4186281 A	19800129	Multichannel record disc reproducing apparatus	369/88	369/90	Kasuga; Masao et al.
US 4156202 A	19790522	Impulsive noise reducing system	327/310	327/58; 327/69; 455/303	Takahashi; Nobuaki
US 4152550 A	19790501	Apparatus for reproducing a multichannel record disc	369/90	369/175; 381/2	Takahashi; Nobuaki et al.
US 4107478 A	19780815	Angle modulated wave demodulation system	369/90	329/326	Takahashi; Nobuaki et al.
US 4096360 A	19780620	Multichannel record disc reproducing system	369/47.16	329/326; 369/175; 369/88; 369/90; 381/1	Takahashi; Nobuaki et al.
US RE29360 E	19770816	System for recording and/or reproducing four	369/90	381/2; 381/20	Takahashi; Nobuaki

		channel signals on a record disc			
US 4008381 A	19770215	Multichannel record disc recording system	369/47.16	369/175; 369/47.26; 369/88; 369/90	Takahashi; Nobuaki et al.
US 3992590 A	19761116	Matrix amplifying circuit	381/28	369/90	Takahashi; Nobuaki et al.
US 3991283 A	19761109	Multichannel record disc reproducing system	369/47.16	369/90; 381/20	Itoh; Yasuo et al.
US 3983500 A	19760928	Angle modulated wave demodulation system	329/326	369/90; 381/5	Takahashi; Nobuaki et al.
US 3983334 A	19760928	Matrix and equalizer circuit with gain control	330/260	330/294; 369/133; 369/88; 369/90; 381/1	Takahashi; Nobuaki et al.
US 3946330 A	19760323	Voltage controlled oscillator circuit	331/8	331/108D; 331/111; 331/113R; 331/27	Takahashi; Nobuaki
US 3944755 A	19760316	Composite filter circuit	369/88	333/132; 369/175; 369/90	Takahashi; Nobuaki et al.
US 3936618 A	19760203	Multichannel record disc reproducing system and apparatus	369/47.16	369/90; 381/20	Takahashi; Nobuaki et al.
US 3934087 A	19760120	Angle modulated wave demodulation system	369/47.16	329/316; 369/47.26; 369/90; 381/2	Takahashi; Nobuaki et al.
US 3932768 A	19760113	Limiting amplifier	327/323	323/315; 327/306; 330/257; 330/259	Takahashi; Nobuaki et al.
US 3886485 A	19750527	Linear voltage controlled oscillator including a timing capacitor charged and discharged through current mirror circuits	331/111	331/108D; 331/113R; 331/177R	Takahashi; Nobuaki
US 3883699	19750513	System for	369/90	381/2;	Takahashi;

A		recording and/or reproducing four channel signals on a record disc		381/20	Nobuaki
US 3870971 A	19750311	Circuit arrangement of voltage controlled oscillator	331/108D	331/111	Takahashi; Nobuaki et al.
US 3854098 A	19741210	MULTICHANNEL DISC DEMODULATION CIRCUIT	329/326	327/7; 331/23; 369/90; 381/2	Takahashi; Nobuaki et al.
US 3843850 A	19741022	FOUR CHANNEL RECORD REPRODUCING APPARATUS WITH MUTING OF SPEAKERS NOT USED FOR STEREO OR MONAURAL RECORDS	369/53.44	369/89; 381/2	Takahashi; Nobuaki et al.
US 3839602 A	19741001	SYSTEMS FOR RECORDING AND/OR REPRODUCING FOUR CHANNEL RECORD DISKS HAVING MIXED SUM AND DIFFERENCE SIGNALS RECORDED ON OPPOSITE GROOVE WALLS	369/47.16	369/175; 369/88; 369/90; 381/20	Takahashi; Nobuaki
US 3803367 A	19740409	RECORDING SYSTEM FOR A MULTICHANNEL RECORD DISK	369/47.16	369/88; 369/90; 381/2	Takahashi; Nobuaki
US 3798562 A	19740319	EXPANDING CIRCUIT IN A COMPRESSION AND EXPANSION SYSTEM	330/283	330/302; 330/86; 333/14	Takahashi; Nobuaki et al.
US 3795876 A	19740305	COMPRESSION AND/OR EXPANSION	333/14	330/145; 330/86; 330/94;	Takahashi; Nobuaki et al.

		SYSTEM AND CIRCUIT		369/175; 455/72; 704/205	
US 3757254 A	19730904	NOISE REDUCTION SYSTEM AND APPARATUS USING A COMPRESSION AND EXPANSION SYSTEM	333/14	338/20; 360/24; 360/65; 455/72	Takahashi; Nobuaki et al.
US 3686471 A	19720822	SYSTEM FOR RECORDING AND/OR REPRODUCING FOUR CHANNEL SIGNALS ON A RECORD DISC	369/90		Takahashi; Nobuaki
US 3492584 A	19700127	AUTOMATIC TUNING SYSTEM UTILIZING SWEEP FREQUENCY MEANS DRIVEN BY D.C. CONTROL SIGNALS [TEXT AVAILABLE IN USOCR DATABASE]	455/164.1	331/11; 331/4; 455/169.1; 455/263	TAKAHASHI NOBUAKI